



## Non-heat related impacts of climate change on working populations

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### Abstract:

Environmental and social changes associated with climate change are likely to have impacts on the well-being, health, and productivity of many working populations across the globe. The ramifications of climate change for working populations are not restricted to increases in heat exposure. Other significant risks to worker health (including physical hazards from extreme weather events, infectious diseases, under-nutrition, and mental stresses) may be amplified by future climate change, and these may have substantial impacts at all scales of economic activity. Some of these risks are difficult to quantify, but pose a substantial threat to the viability and sustainability of some working populations. These impacts may occur in both developed and developing countries, although the latter category is likely to bear the heaviest burden. This paper explores some of the likely, non-heat-related health issues that climate change will have on working populations around the globe, now and in the future. These include exposures to various infectious diseases (vector-borne, zoonotic, and person-to-person), extreme weather events, stress and mental health issues, and malnutrition.

**Source:** <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3009583>

### Resource Description

#### Exposure :

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Extreme Weather Event, Food/Water Security, Food/Water Security

**Extreme Weather Event:** Drought, Hurricanes/Cyclones

**Food/Water Security:** Agricultural Productivity, Fisheries, Food Access/Distribution, Nutritional Quality

#### Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

#### Geographic Location:

resource focuses on specific location

Global or Unspecified

#### Health Impact:



specification of health effect or disease related to climate change exposure

Infectious Disease, Malnutrition/Undernutrition, Mental Health/Stress

**Infectious Disease:** Airborne Disease, Foodborne/Waterborne Disease, Vectorborne Disease, Zoonotic Disease

**Airborne Disease:** Cryptococcosis, Influenza

**Foodborne/Waterborne Disease:** Cholera, Schistosomiasis, Other Diarrheal Disease

**Vectorborne Disease:** Mosquito-borne Disease

**Mosquito-borne Disease:** Dengue, Malaria

**Zoonotic Disease:** Brucellosis, Hendra Virus, Nipah Virus

**Mental Health Effect/Stress:** Stress Disorder

**Population of Concern:** A focus of content

**Population of Concern:** 

populations at particular risk or vulnerability to climate change impacts

Children, Low Socioeconomic Status, Workers

**Resource Type:** 

format or standard characteristic of resource

Review

**Timescale:** 

time period studied

Time Scale Unspecified